

SUBSTITUTE SHEET (RULE 26)

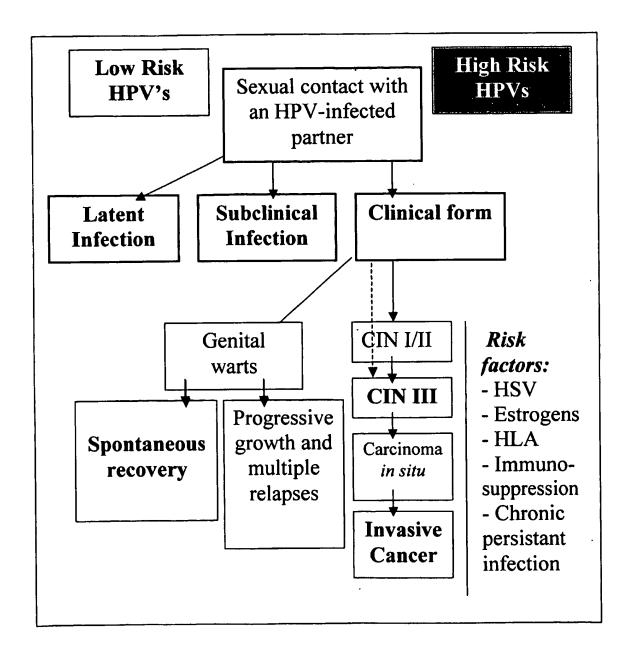


Fig. 2

5-TCT AAC GAA TTC AGT ATG CAT GGA CCT AAG G(SEQ ID NO.: 14)

5-ATT ACA GGA TCC CTG CTG GGA TGC ACA CCA (SEQ ID NO.: 15)

18 DOWN

5-ATT CTC GAA TTC ATC ATG CAT GGA GAT ACA C(SEQ ID NO.: 16)

16 DOWN 5- CTT ATC GGA TCC TGG TTT CTG AGA ACA GAT G(SEQ ID NO.: 17)

Fig. 3

3/11

gagacaactgatctctactgttatgagcaattaaatgacagctcagaggaggaggatgaa E T T D L Y C Y E Q L N D S S E E E D E **gaattc**atcatgcatggagatacacctacattgcatgaatatatgttagatttgcaacca tgttgcaagtgtgactctacgcttcggttgtgcgtacaaagcacacacgtagacattcgt C m C m C m K m C m D m S m I m L m C m V m Q m S m I m H m V m D m I m Ractttggaagacctgttaatgggcacactaggaattgtgtgccccatctgttctcagaaa T L E D L L M G T L G I V C P I C S Q K atagatggtccagctggacaagcagaaccggacagagcccattacaatattgtaaccttt I D G P A G Q A E P D R A H Y N I V T F Σ P D A Σ cca**ggatcc** ECORI

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4/11

gaattcagtatgcatggacctaaggcaacattgcaagacattgtattgcatttagagccc ctatgtcacgagcaattaagcgactcagaggaagaa L C H E Q L S D S E E E aacgatgaaatagatggagttaatcatcaacatttaccagcccgacgagctgaaccaca cgtcacacaatgttgtgtatgtgttgtaagtgtgaagccagaattgagctagtagtagaa agctcagcagacgaccttcgagcattccagcagctgtttctgaacaccctgtcctttgtg 뙤 $\boldsymbol{\vdash}$ 딥 S 耳 Ц ഥ ЕН 召 Z Ø α П K \Box Д Ĺτι Ø 니 团 Н 出 tgtccgtggtgtgcatcccagcag**ggatcc** BamHI Ø X Ø \vdash ø ſτι Ξ caaaatgaaattccggttgacctt Ц ø O 又 Z Д Σ Ø Д Н G Q G \mathbb{H} Д Ы K Σ Σ ഗ 闰 団 3 ഗ Z 出 ECORI

Fig. 5

5/11

BamHI

TAATACGACTCACTATAGGGAGACCACACGGTTTCCCTCTAGAAATAATTTTGTTTAACT

T7 promoter

TTAAGGAGATATACATATGcatcaccatcaccatcacGAATTC - E7 gene HPV16(18) - GGATCC

Nde I

rbs

His-Tag

AATTAGCTGAAAGCTT

Term HinDIII

-ig.

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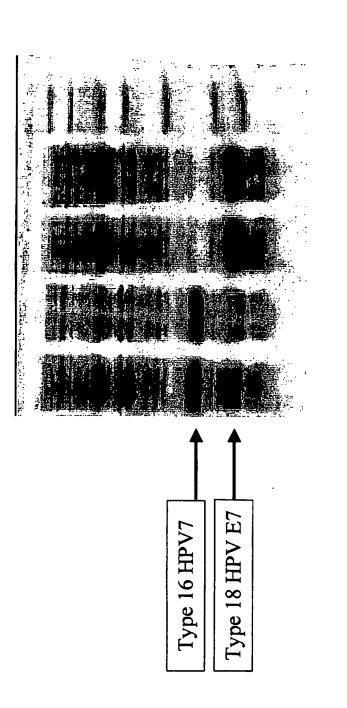


Fig. 7

7/11

Type 16

E716-F GA AGA TCT ATG CAT GGA GAT ACA CCT AC (SEQ ID NO.:19) Bgl II

E716-R CG GGA TCC TGG TTT CTG AGA ACA GAT GG (SEQ ID NO.:20) BamHI

Type 18

E718-F GA AGA TCT ATG CAT GGA CCT AAG GCA AC (SEQ ID NO.:21) Bgl II

E718-R CG GGA TCC CTG CTG GGA TGC ACA CCA CG (SEQ ID NO.:22) BamHI

Fig. 8

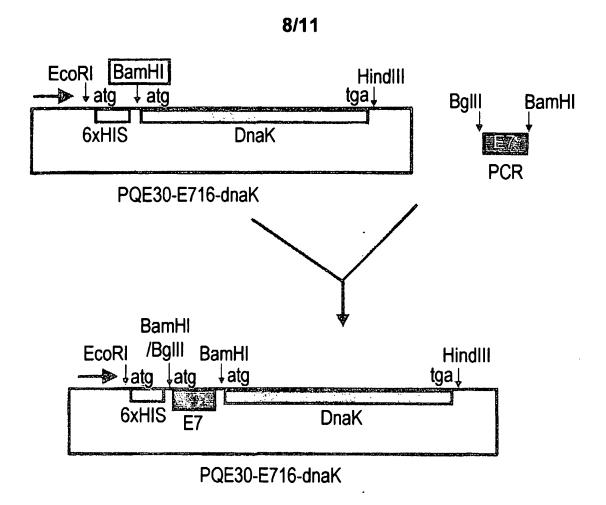


Fig. 9

1	CTCCACAAAT	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ጥጥለጥጥጥርርጥጥ	ጥርጥር እርርርር እ	TAACAATTAT	እ አ ጥ አ <i>ር</i> አ ጥጥ ር አ
					AGGAGAAATT	
121					TCGGGATCGA	
					TCGTCGTCGC	
					ACGGTGAGGT	
301					CCGTGCGCTC	
					AATACACCGC	
					CCTACCTCGG	
					CCCAGCGTCA	
					TCAACGAGCC	
					GAATCCTGGT	
					AGGGTGTGGT	
					ACCAGCGGGT	
					CCAAGGACAA	
841					TGAGTTCGAG	
901					ACCCGTTGTT	
					TGCTGGACCG	
					CGGAGATCGA	
					TGGTCAAGGA	
					TCGCGGTGGG TGCTTGATGT	
					TCATCGAGCG	
					ACAACCAACC	
					ACAAGTTGCT	
					AGATCGAGGT	
					AGGGCACCGG	
					ACATTGACCG	
					AGGAGGCCGA	
					AAGAACAGCG ATGCCGCGGT	
					CGGCGATGGA	
					CTCAGGCTGC ACCCCGGCTC	
					ACCCCGGCTC	
					AGATCCAGTA	
					GGCGTTTTTT	
					CTAAAATGGA	
					AAGAACATTT	
					TGGATATTAC	
					TTATTCACAT ACGGTGAGCT	
					CTGAAACGTT TATATTCGCA	
					TTGAGAATAT	
					ACGTGGCCAA	
					AAGGCGACAA	
					TCCATGTCGG CGTAATTTTT	
2001	1411001000	CITAMACGCC	TOGGGIAATG	ACICICIAGC	TTGAGGCATC	MANTHANACG

Fig. 10

0041		MCCA A A C A CM	CCCCCCTTTTCC		mcmmmcmccc	man nacomom
	AAAGGCTCAG					
-	CCTGAGTAGG					
	AACCTCTGAC					
	AGCAGACAAG				•	
	ACCCAGTCAC					
	TTGTACTGAG					
-	ACCGCATCAG				GCTGCGCTCG	
	TGCGGCGAGC				GTTATCCACA	
	ATAACGCAGG			GCCAGCAAAA	GGCCAGGAAC	CGTAAAAAGG
3481	CCGCGTTGCT	GGCGTTTTTC	CATAGGCTCC	GCCCCCTGA	CGAGCATCAC	AAAAATCGAC
3541	GCTCAAGTCA	GAGGTGGCGA	AACCCGACAG	GACTATAAAG	ATACCAGGCG	TTTCCCCCTG
3601	GAAGCTCCCT	CGTGCGCTCT	CCTGTTCCGA	CCCTGCCGCT	TACCGGATAC	CTGTCCGCCT
3661	TTCTCCCTTC	GGGAAGCGTG	GCGCTTTCTC	ATAGCTCACG	CTGTAGGTAT	CTCAGTTCGG
3721	TGTAGGTCGT	TCGCTCCAAG	CTGGGCTGTG	TGCACGAACC	CCCCGTTCAG	CCCGACCGCT
3781	GCGCCTTATC	CGGTAACTAT	CGTCTTGAGT	CCAACCCGGT	AAGACACGAC	TTATCGCCAC
3841	TGGCAGCAGC	CACTGGTAAC	AGGATTAGCA	GAGCGAGGTA	TGTAGGCGGT	GCTACAGAGT
3901	TCTTGAAGTG	GTGGCCTAAC	TACGGCTACA	CTAGAAGGAC	AGTATTTGGT	ATCTGCGCTC
3961	TGCTGAAGCC	AGTTACCTTC	GGAAAAAGAG	TTGGTAGCTC	TTGATCCGGC	AAACAAACCA
4021	CCGCTGGTAG	CGGTGGTTTT	TTTGTTTGCA	AGCAGCAGAT	TACGCGCAGA	AAAAAAGGAT
4081	CTCAAGAAGA	TCCTTTGATC	TTTTCTACGG	GGTCTGACGC	TCAGTGGAAC	GAAAACTCAC
	GTTAAGGGAT					
4201	AAAAATGAAG	TTTTAAATCA	ATCTAAAGTA	TATATGAGTA	AACTTGGTCT	GACAGTTACC
4261	AATGCTTAAT	CAGTGAGGCA	CCTATCTCAG	CGATCTGTCT	ATTTCGTTCA	TCCATAGTTG
4321	CCTGACTCCC	CGTCGTGTAG	ATAACTACGA	TACGGGAGGG	CTTACCATCT	GGCCCCAGTG
4381	CTGCAATGAT	ACCGCGAGAC	CCACGCTCAC	CGGCTCCAGA	TTTATCAGCA	ATAAACCAGC
4441	CAGCCGGAAG	GGCCGAGCGC	AGAAGTGGTC	CTGCAACTTT	ATCCGCCTCC	ATCCAGTCTA
4501	TTAATTGTTG	CCGGGAAGCT	AGAGTAAGTA	GTTCGCCAGT	TAATAGTTTG	CGCAACGTTG
4561	TTGCCATTGC	TACAGGCATC	GTGGTGTCAC	GCTCGTCGTT	TGGTATGGCT	TCATTCAGCT
4621	CCGGTTCCCA	ACGATCAAGG	CGAGTTACAT	GATCCCCCAT	GTTGTGCAAA	AAAGCGGTTA
	GCTCCTTCGG				CGCAGTGTTA	•
4741	TTATGGCAGC	ACTGCATAAT	TCTCTTACTG	TCATGCCATC	CGTAAGATGC	TTTTCTGTGA
4801	CTGGTGAGTA	CTCAACCAAG	TCATTCTGAG	AATAGTGTAT	GCGGCGACCG	
4861	GCCCGGCGTC	AATACGGGAT	AATACCGCGC	CACATAGCAG	AACTTTAAAA	GTGCTCATCA
	TTGGAAAACG					
	CGATGTAACC				TTTTACTTTC	
	CTGGGTGAGC					
	AATGTTGAAT					
	GTCTCATGAG					
	GCACATTTCC					
	CCTATAAAAA					
					-	

Fig. 10

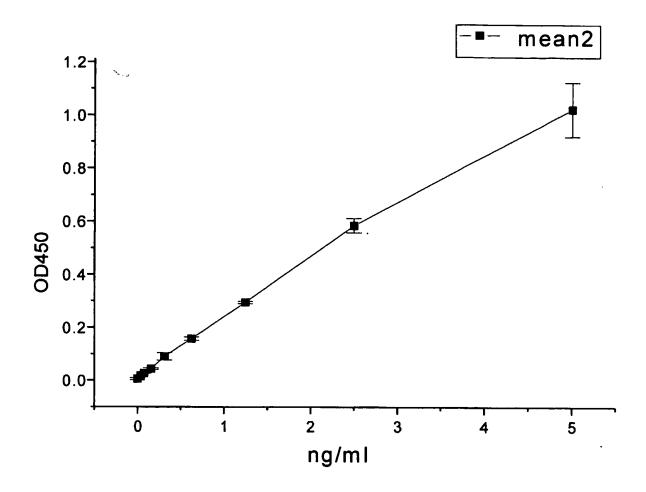


Fig. 11